

APPENDIX B

Inventory Summary

Stakeholder	Element Name	Element Description	Element Status	Associated Physical Objects
ADOT	ADOT 511 IVR	The interactive voice response (IVR) telephone system providing statewide traveler information for the State of Arizona. The 511 IVR system may include travel time information, construction information, roadway incidents, and special events.	Existing	Transportation Information Center
ADOT	ADOT 511 IVR	The interactive voice response (IVR) telephone system providing statewide traveler information for the State of Arizona. The 511 IVR system may include travel time information, construction information, roadway incidents, and special events.	Existing	Traveler Information Voice System
ADOT	ADOT 511 Website	ADOT's www.az511.gov website provides statewide traveler information systems for the State of Arizona. The system includes freeway video images, travel time information, and roadway incidents. Public access to the information is provided via the internet.	Existing	Transportation Information Center
ADOT	ADOT Alerts App	ADOT has an official App that provides real time information to travelers about unplanned major events that are impacting traffic so informed decisions can be made to avoid lengthy delays or potentially hazardous situations.	Existing	Media
ADOT	ADOT ALISS Crash Data Archive	Accident Location Identification Surveillance System (ALISS) Crash Data is both a data archive for ADOT and, much of the information is shared with external database systems. The primary source of data for this database is the State Highway Log (SHL) system. The data is not "real time". The information is used for planning, highway safety projects, etc...	Existing	Archived Data System
ADOT	ADOT Asset Management Systems	ADOT Asset Management Systems represent the systems that support decision-making for maintenance, upgrade, and operation of physical transportation assets. Asset management integrates and includes the pavement management systems, bridge management systems, and other systems that inventory and manage the highway infrastructure and other transportation-related assets. The types of assets that are inventoried and managed will vary, and may include the maintenance and construction vehicles and equipment as well as 'soft' assets such as human resources and software. Asset management systems monitor the condition, performance, and availability of the infrastructure and evaluate and prioritize alternative reconstruction, rehabilitation, and maintenance strategies.	Existing	Asset Management System
ADOT	ADOT AZ Crash Information System	ADOT Arizona Crash information System (previously FDM Safety Data Mart) is a safety data mart that represents the systems users ability to access secure ALISS archived data. The general interface provided allows a broad range of users (e.g. planners, researchers, analysts, operators) and their systems (e.g. databases, models, analytical tools, user interface devices) to acquire data and analyses results from the archive. The information for this database comes largely from law enforcement agencies throughout the state of Arizona.	Existing	Archived Data User System
ADOT	ADOT Construction Vehicles	Construction vehicles owned and operated by ADOT.	Existing	Basic Maint and Constr Vehicle
ADOT	ADOT Construction Vehicles	Construction vehicles owned and operated by ADOT.	Existing	Maint and Constr Vehicle OBE

Stakeholder	Element Name	Element Description	Element Status	Associated Physical Objects
ADOT	ADOT CV Roadside Equipment	Dedicated short range communications (DSRC) are Roadside Units (RSU) that are short range to medium range wireless communication radios (one or two way) specifically designed for communications from the infrastructure to the vehicle for notification of signals, construction zones, fire pre-emption and provides a way for vehicles to communicate directly with roadside equipment. DSRC is equipped with a camera for mapping. This element includes the roadside equipment that performs vehicle infrastructure integration, data collection and dissemination. 'Connected Vehicle Roadside Equipment' (CV RSE) represents the Connected Vehicle roadside devices that are used to send messages to, and receive messages from, nearby vehicles using Dedicated Short Range Communications (DSRC) or other alternative wireless communications technologies. Communications with adjacent field equipment and back office centers that monitor and control the RSE are also supported. This device operates from a fixed position and may be permanently deployed or a portable device that is located temporarily in the vicinity of a traffic incident, road construction, or a special event. It includes a processor, data storage, and communications capabilities that support secure communications with passing vehicles, other field equipment, and centers.	Planned	Connected Vehicle Roadside Equipment
ADOT	ADOT Data Distribution System	This element represents the future ITS Data Distribution System support that the ADOT TOC will provide as HCRS advances to be able to provide real time data distribution.	Planned	Data Distribution System
ADOT	ADOT DEOC-Dept EM Ops Center	ADOT's Departmental Emergency Operations Center (DEOC) is used to provide direction and control of ADOT resources during declared emergencies. This function falls under TSM&O Division. They may be activated in support of the state emergency operations center or on its own. It would likely be activated during a large scale, multi day event. This element represents ADOT Emergency Preparedness and Response. (wildfires, major roadway infrastructure failures, large area evacuations, etc.)	Existing	Center
ADOT	ADOT DEOC-Dept EM Ops Center	ADOT's Departmental Emergency Operations Center (DEOC) is used to provide direction and control of ADOT resources during declared emergencies. This function falls under TSM&O Division. They may be activated in support of the state emergency operations center or on its own. It would likely be activated during a large scale, multi day event. This element represents ADOT Emergency Preparedness and Response. (wildfires, major roadway infrastructure failures, large area evacuations, etc.)	Existing	Emergency Management Center
ADOT	ADOT DEOC-Dept EM Ops Center	ADOT's Departmental Emergency Operations Center (DEOC) is used to provide direction and control of ADOT resources during declared emergencies. This function falls under TSM&O Division. They may be activated in support of the state emergency operations center or on its own. It would likely be activated during a large scale, multi day event. This element represents ADOT Emergency Preparedness and Response. (wildfires, major roadway infrastructure failures, large area evacuations, etc.)	Existing	Traffic Management Center
ADOT	ADOT District TOCs	This ITS element represents the District offices where traffic operational decisions occur. ADOT District TOCs have access to view all ITS elements within their own region.	Existing	Archived Data User System
ADOT	ADOT District TOCs	This ITS element represents the District offices where traffic operational decisions occur. ADOT District TOCs have access to view all ITS elements within their own region.	Existing	Traffic Management Center
ADOT	ADOT DUST System	The ADOT Dual Use Safety Technology (DUST) System was designed to focus on dual challenges with visibility hazards caused by blowing dust or unexpected snow and ice. DUST provides early warning detection for dust and ice using environmental sensor stations with comprehensive sensor array and is equipped with a snapshot CCTV to verify low visibility conditions. If there is high particulate matter, they system triggers an email to the TOC. It also automatically posts a message regarding weather and roadway condition warnings on the DMS.	Existing	ITS Roadway Equipment
ADOT	ADOT DUST System	The ADOT Dual Use Safety Technology (DUST) System was designed to focus on dual challenges with visibility hazards caused by blowing dust or unexpected snow and ice. DUST provides early warning detection for dust and ice using environmental sensor stations with comprehensive sensor array and is equipped with a snapshot CCTV to verify low visibility conditions. If there is high particulate matter, they system triggers an email to the TOC. It also automatically posts a message regarding weather and roadway condition warnings on the DMS.	Existing	Other ITS Roadway Equipment

Stakeholder	Element Name	Element Description	Element Status	Associated Physical Objects
ADOT	ADOT ECD CVO Administration Center	<p>ECD is a division of ADOT – It utilizes certified peace officers to enforce transportation related laws and regulations.</p> <p>To carry out its functions, Enforcement Services: 1) checks commercial vehicles at fixed ports of entry to the State and through mobile enforcement for compliance, weight, and safety laws, including laws relating to the transportation of hazardous materials. 2) They inspect vehicles to ensure they are legal, and, 3) they identify stolen vehicles and vehicle parts. They do internal investigations, fraud investigations, etc.</p> <p>ECD has a registration compliance responsibility to monitor how long plates are in the state and they send out a welcome to Arizona letter and send officers out to do follow up to make sure residents are actually residents.</p> <p>Central permitting section of ECD has central permits to handle the permitting and routing of oversize weight and loads that come into Arizona.</p>	Existing	Border Inspection Administration Center
ADOT	ADOT ECD CVO Administration Center	<p>ECD is a division of ADOT – It utilizes certified peace officers to enforce transportation related laws and regulations.</p> <p>To carry out its functions, Enforcement Services: 1) checks commercial vehicles at fixed ports of entry to the State and through mobile enforcement for compliance, weight, and safety laws, including laws relating to the transportation of hazardous materials. 2) They inspect vehicles to ensure they are legal, and, 3) they identify stolen vehicles and vehicle parts. They do internal investigations, fraud investigations, etc.</p> <p>ECD has a registration compliance responsibility to monitor how long plates are in the state and they send out a welcome to Arizona letter and send officers out to do follow up to make sure residents are actually residents.</p> <p>Central permitting section of ECD has central permits to handle the permitting and routing of oversize weight and loads that come into Arizona.</p>	Existing	Commercial Vehicle Administration Center
ADOT	ADOT ECD CVO Administration Center	<p>ECD is a division of ADOT – It utilizes certified peace officers to enforce transportation related laws and regulations.</p> <p>To carry out its functions, Enforcement Services: 1) checks commercial vehicles at fixed ports of entry to the State and through mobile enforcement for compliance, weight, and safety laws, including laws relating to the transportation of hazardous materials. 2) They inspect vehicles to ensure they are legal, and, 3) they identify stolen vehicles and vehicle parts. They do internal investigations, fraud investigations, etc.</p> <p>ECD has a registration compliance responsibility to monitor how long plates are in the state and they send out a welcome to Arizona letter and send officers out to do follow up to make sure residents are actually residents.</p> <p>Central permitting section of ECD has central permits to handle the permitting and routing of oversize weight and loads that come into Arizona.</p>	Existing	CVO Information Requestor Center

Stakeholder	Element Name	Element Description	Element Status	Associated Physical Objects
ADOT	ADOT ECD Dispatch	<p>ADOT Enforcement Compliance Division (ECD) utilizes certified peace officers to enforce transportation related laws and regulations.</p> <p>This element provides dispatch for mobile enforcement for compliance, weight, and safety laws, including laws relating to the transportation of hazardous materials. Vehicles are inspected at the border crossing to ensure that they are legal. If they are identified as stolen vehicles and vehicle parts, law enforcement vehicles would be dispatched. Tasks also include: internal investigations and fraud investigations.</p> <p>ECD checks all commercial vehicles (under the Commercial Vehicle Check and Border Inspection Administration Center) at fixed ports of entry to the State.</p>	Existing	Center
ADOT	ADOT ECD Dispatch	<p>ADOT Enforcement Compliance Division (ECD) utilizes certified peace officers to enforce transportation related laws and regulations.</p> <p>This element provides dispatch for mobile enforcement for compliance, weight, and safety laws, including laws relating to the transportation of hazardous materials. Vehicles are inspected at the border crossing to ensure that they are legal. If they are identified as stolen vehicles and vehicle parts, law enforcement vehicles would be dispatched. Tasks also include: internal investigations and fraud investigations.</p> <p>ECD checks all commercial vehicles (under the Commercial Vehicle Check and Border Inspection Administration Center) at fixed ports of entry to the State.</p>	Existing	Emergency Management Center
ADOT	ADOT ECD Vehicles	ECD Vehicles are dispatched by ECD and they serve as a policing division of ADOT. They have similar authority as DPS but it is more traffic related for commercial vehicles.	Existing	Emergency Vehicle OBE
ADOT	ADOT Electronic Bypass Stations	ADOT electronic bypass statements represents the pre-pass system for electronic bypass of commercial vehicles. This element also includes the domestic port of entry stations that are equipped with Pre-pass.	Existing	Commercial Vehicle Check Equipment
ADOT	ADOT Fiber Backbone	ADOT's fiber backbone used to communicate large quantities of data from the field to the transportation center.	Existing	Data Distribution System
ADOT	ADOT HazMat Response Data Archive	ADOT has a hazardous material incident database that is used by ADOT to track clean up and recovery of all hazardous material incidents on state highways. The database is used for planning and evaluation of hazmat incidents and operations. This is not connected to HCRS yet but, planned to connect in the future.	Existing	Archived Data System
ADOT	ADOT HCRS Data Archive	The Highway Condition Reporting System (HCRS) is ADOT's statewide closure and restriction information central server. HCRS is essentially an internal multi-agency information sharing system. This element represents long term archived data, not used for data distribution but rather as long-term storage for planning. HCRS also provides support as a ITS Data Warehouse. The information in this archive may be used for performance monitoring and uses data not necessarily generated from ITS systems for performance measurement.	Existing	Archived Data System

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ADOT	ADOT HCRS Data Archive	The Highway Condition Reporting System (HCRS) is ADOT's statewide closure and restriction information central server. HCRS is essentially an internal multi-agency information sharing system. This element represents long term archived data, not used for data distribution but rather as long-term storage for planning. HCRS also provides support as a ITS Data Warehouse. The information in this archive may be used for performance monitoring and uses data not necessarily generated from ITS systems for performance measurement.	Existing	Other Data Sources
ADOT	ADOT HCRS Data User Systems	The Highway Condition Reporting System (HCRS) is ADOT's statewide closure and restriction information central server. HCRS is essentially an internal multi-agency information sharing system, but the information entered into HCRS (planned closures, special events, incidents, advisories) is used to populate the public website (www.az511.gov) and the 511 Phone System. This element allows access to users throughout the state of Arizona to populate their roadway information so that the state's 511 system will have accurate travel information.	Existing	Archived Data User System
ADOT	ADOT HCRS Data User Systems	The Highway Condition Reporting System (HCRS) is ADOT's statewide closure and restriction information central server. HCRS is essentially an internal multi-agency information sharing system, but the information entered into HCRS (planned closures, special events, incidents, advisories) is used to populate the public website (www.az511.gov) and the 511 Phone System. This element allows access to users throughout the state of Arizona to populate their roadway information so that the state's 511 system will have accurate travel information.	Existing	Other Maint and Constr Mgmt Centers
ADOT	ADOT HCRS Data User Systems	The Highway Condition Reporting System (HCRS) is ADOT's statewide closure and restriction information central server. HCRS is essentially an internal multi-agency information sharing system, but the information entered into HCRS (planned closures, special events, incidents, advisories) is used to populate the public website (www.az511.gov) and the 511 Phone System. This element allows access to users throughout the state of Arizona to populate their roadway information so that the state's 511 system will have accurate travel information.	Existing	Transportation Information Center
ADOT	ADOT HCRS Traveler Information	The Highway Condition Reporting System (HCRS) is ADOT's statewide closure and restriction information central server. HCRS is essentially an internal multi-agency information sharing system, but the information entered into HCRS (planned closures, special events, incidents, advisories) is used to populate the public website (www.az511.gov) and the 511 Phone System. This element represents the traveler information services of the HCRS.	Existing	Archived Data System
ADOT	ADOT HCRS Traveler Information	The Highway Condition Reporting System (HCRS) is ADOT's statewide closure and restriction information central server. HCRS is essentially an internal multi-agency information sharing system, but the information entered into HCRS (planned closures, special events, incidents, advisories) is used to populate the public website (www.az511.gov) and the 511 Phone System. This element represents the traveler information services of the HCRS.	Existing	Data Distribution System
ADOT	ADOT HCRS Traveler Information	The Highway Condition Reporting System (HCRS) is ADOT's statewide closure and restriction information central server. HCRS is essentially an internal multi-agency information sharing system, but the information entered into HCRS (planned closures, special events, incidents, advisories) is used to populate the public website (www.az511.gov) and the 511 Phone System. This element represents the traveler information services of the HCRS.	Existing	Transportation Information Center
ADOT	ADOT HPMS Data Archive	A principal responsibility of ADOT's Data Section is administering a federal highway program known as the Highway Performance Monitoring System (HPMS). Required of each state and U.S. territory by FHWA, the HPMS is the national database of highway information. Roadway extent, use, condition and performance data are collected by and for the states and submitted to the FHWA on an annual basis. From a national perspective, the FHWA's primary intent with this program is to provide Congress with a policy tool for major highway legislation and funding decisions. Highway Performance Monitoring System (HPMS) Data Collection is a federal requirement for all functionally classified roads to have current traffic counts (and other info) every three years.	Existing	Archived Data System

Stakeholder	Element Name	Element Description	Element Status	Associated Physical Objects
ADOT	ADOT HPMS Data Archive	A principal responsibility of ADOT's Data Section is administering a federal highway program known as the Highway Performance Monitoring System (HPMS). Required of each state and U.S. territory by FHWA, the HPMS is the national database of highway information. Roadway extent, use, condition and performance data are collected by and for the states and submitted to the FHWA on an annual basis. From a national perspective, the FHWA's primary intent with this program is to provide Congress with a policy tool for major highway legislation and funding decisions. Highway Performance Monitoring System (HPMS) Data Collection is a federal requirement for all functionally classified roads to have current traffic counts (and other info) every three years.	Existing	Other Data Sources
ADOT	ADOT HPMS Data User System	This element allows access to users throughout the state of Arizona to populate their traffic volume information for planning. This information not real time.	Existing	Archived Data User System
ADOT	ADOT ITS Field Equipment	ITS Field Equipment represents the ITS equipment that is distributed on and along the roadway that monitors and controls traffic and monitors and manages the roadway itself. This physical object includes traffic detectors, environmental sensors, traffic signals, highway advisory radios, dynamic message signs (DMS), CCTV cameras and video image processing systems, grade crossing warning systems, variable speed limit signs (VSL), radar speed feedback signs (RFS) and ramp metering systems. Lane management systems and barrier systems that control access to transportation infrastructure such as roadways, bridges and tunnels are also included. This object also provides environmental monitoring including sensors that measure road conditions, surface weather, and vehicle emissions. Work zone systems including work zone surveillance, traffic control, driver warning, and work crew safety systems are also included.	Existing	ITS Roadway Equipment
ADOT	ADOT ITS Field Equipment	ITS Field Equipment represents the ITS equipment that is distributed on and along the roadway that monitors and controls traffic and monitors and manages the roadway itself. This physical object includes traffic detectors, environmental sensors, traffic signals, highway advisory radios, dynamic message signs (DMS), CCTV cameras and video image processing systems, grade crossing warning systems, variable speed limit signs (VSL), radar speed feedback signs (RFS) and ramp metering systems. Lane management systems and barrier systems that control access to transportation infrastructure such as roadways, bridges and tunnels are also included. This object also provides environmental monitoring including sensors that measure road conditions, surface weather, and vehicle emissions. Work zone systems including work zone surveillance, traffic control, driver warning, and work crew safety systems are also included.	Existing	Other ITS Roadway Equipment
ADOT	ADOT Mainline Detection	Traffic and vehicle sensors owned and operated by ADOT used primarily for monitoring traffic flow conditions on freeways. Data collected includes volumes, speed, and occupancy. Detector technologies include radar, thermal video, loops, ARID, Piezo and Video.	Existing	Connected Vehicle Roadside Equipment
ADOT	ADOT Mainline Detection	Traffic and vehicle sensors owned and operated by ADOT used primarily for monitoring traffic flow conditions on freeways. Data collected includes volumes, speed, and occupancy. Detector technologies include radar, thermal video, loops, ARID, Piezo and Video.	Existing	ITS Roadway Equipment
ADOT	ADOT Maintenance Work Zone Field Equipment	Work zone monitoring and alerting equipment owned by ADOT.	Existing	Connected Vehicle Roadside Equipment
ADOT	ADOT Maintenance Work Zone Field Equipment	Work zone monitoring and alerting equipment owned by ADOT.	Existing	Field Maintenance Equipment

Stakeholder	Element Name	Element Description	Element Status	Associated Physical Objects
ADOT	ADOT Maintenance Work Zone Field Equipment	Work zone monitoring and alerting equipment owned by ADOT.	Existing	ITS Roadway Equipment
ADOT	ADOT MCO Districts	ADOT is divided into seven districts for construction and maintenance of the roadways: Central, Southwest, Southcentral, Southeast, Northeast, Northcentral and Northwest. This element represents construction and maintenance operations for assets, planning, and deployment of resources for construction, maintenance and workzone administration of projects on the Interstate highways, state highways and projects associated with the regional freeway system and regional transportation planning in that area that the office is located. ADOT Construction Vehicles are deployed through these district offices.	Existing	Maint and Constr Management Center
ADOT	ADOT Mobile EM Center	This is a mobile vehicle for emergency command center in the field. It includes lap top computers, printers, radios, satellite communications phones and other emergency equipment. It allows ADOT to set up a field command center for wild land fires or other multi-day, multi-task emergencies.	Existing	Emergency Management Center
ADOT	ADOT Mobile EM Center	This is a mobile vehicle for emergency command center in the field. It includes lap top computers, printers, radios, satellite communications phones and other emergency equipment. It allows ADOT to set up a field command center for wild land fires or other multi-day, multi-task emergencies.	Existing	Emergency Vehicle OBE
ADOT	ADOT Motor Vehicle Division (MVD) Database	<p>MVD maintains a comprehensive database that stores driver license, vehicle title and registration, and violation information. There are over 160 Authorized Third Parties that access this database and perform MVD related driver license and vehicle transactions on a real time basis.</p> <p>The Arizona Department of Public Safety (DPS) has access to view the driver license database and the vehicle registration database. DPS receives all photos on a regular basis. If a local PD wants to identify someone, they retrieve the photo from DPS.</p> <p>MVD also administers International Registration Plan activities and part of the International Fuel Tax Agreement activities.</p>	Existing	Archived Data System
ADOT	ADOT Motor Vehicle Division (MVD) Database	<p>MVD maintains a comprehensive database that stores driver license, vehicle title and registration, and violation information. There are over 160 Authorized Third Parties that access this database and perform MVD related driver license and vehicle transactions on a real time basis.</p> <p>The Arizona Department of Public Safety (DPS) has access to view the driver license database and the vehicle registration database. DPS receives all photos on a regular basis. If a local PD wants to identify someone, they retrieve the photo from DPS.</p> <p>MVD also administers International Registration Plan activities and part of the International Fuel Tax Agreement activities.</p>	Existing	DMV

Stakeholder	Element Name	Element Description	Element Status	Associated Physical Objects
ADOT	ADOT MVD Commercial Vehicle Administration	MVD registers commercial vehicles; much of the population is international based so a portion of the registration for those vehicles is allocated to other jurisdictions through the International Registration Plan (IRP). MVD facilitates motor fuel tax reporting through the International Fuel Tax Agreement. State based commercial vehicle registrations are also conducted by MVD. MVD also issues commercial driver licenses (CDL) and handles the medical certificate issues related to commercial drivers. MVD provides and queries commercial driver license information to and from the Commercial Driver's License Information System (CDLIS) which is maintained by the American Association of Motor Vehicle Administrators (AAMVA). Commercial driver information from across the nation is contained in CDLIS and is available for law enforcement access.	Existing	Commercial Vehicle Administration Center
ADOT	ADOT Regional Traffic Operations	ADOT has regional traffic operations resources throughout the state that are responsible for the operation and maintenance of traffic signals. There is no transit signal priority but, emergency pre-emption is available in some locations. Additionally, since some are in close proximity to train tracks they have timing sequences for train crossings. Note that the ADOT Central District traffic signals are provided for under ADOT System Maintenance element and are not included here.	Existing	Maint and Constr Management Center
ADOT	ADOT Regional Traffic Operations	ADOT has regional traffic operations resources throughout the state that are responsible for the operation and maintenance of traffic signals. There is no transit signal priority but, emergency pre-emption is available in some locations. Additionally, since some are in close proximity to train tracks they have timing sequences for train crossings. Note that the ADOT Central District traffic signals are provided for under ADOT System Maintenance element and are not included here.	Existing	Traffic Management Center
ADOT	ADOT Regional Traffic Ops Vehicles	Vehicles located within the regionally defined areas that are used to maintain signals and other field equipment.	Existing	Basic Maint and Constr Vehicle
ADOT	ADOT Regional Traffic Ops Vehicles	Vehicles located within the regionally defined areas that are used to maintain signals and other field equipment.	Existing	Maint and Constr Vehicle OBE
ADOT	ADOT Right of Way Parking	The ADOT Right of Way Parking system can manage large commercial vehicle parking availability for drivers and notify them when a space is available.	Planned	Parking Management System
ADOT	ADOT Roadside Comm Equipment	ADOT roadside communications equipment includes ALL field equipment that communicates information from the roadside to travelers and, from the roadside to the roadside. It includes travel times, truck escape ramps, vehicle speed feedback signs, wrong way detection, signals to support the SPaT system and, other ITS field equipment that supports TM08 for traffic incident management.	Existing	ITS Roadway Equipment
ADOT	ADOT Roadside Comm Equipment	ADOT roadside communications equipment includes ALL field equipment that communicates information from the roadside to travelers and, from the roadside to the roadside. It includes travel times, truck escape ramps, vehicle speed feedback signs, wrong way detection, signals to support the SPaT system and, other ITS field equipment that supports TM08 for traffic incident management.	Existing	Wayside Equipment

Stakeholder	Element Name	Element Description	Element Status	Associated Physical Objects
ADOT	ADOT RWIS	Road Weather Information Systems are owned by ADOT throughout the State of Arizona that measure temperature, humidity and wind speed. Some RWIS stations have pavement sensors, either active or passive. Active pavement sensors are liquid filled and determine temperature of the road service to determine if the area will freeze. Each district has access to the RWIS server. The system gathers the information and users must log into the system to view the pictures or weather surface information. This element is both existing and planned.	Existing	ITS Roadway Equipment
ADOT	ADOT RWIS	Road Weather Information Systems are owned by ADOT throughout the State of Arizona that measure temperature, humidity and wind speed. Some RWIS stations have pavement sensors, either active or passive. Active pavement sensors are liquid filled and determine temperature of the road service to determine if the area will freeze. Each district has access to the RWIS server. The system gathers the information and users must log into the system to view the pictures or weather surface information. This element is both existing and planned.	Existing	Other ITS Roadway Equipment
ADOT	ADOT Service Monitor System for Connected Vehicle	Represents ADOT's center based system that provides monitoring, management and control services necessary to other applications and or devices operating within the Connected Vehicle Environment. These support services enable other applications to provide transportation services.	Planned	Service Monitor System
ADOT	ADOT Systems Maintenance	ADOT Systems Maintenance is a division of Transportation Systems Management and Operations (TSMO), and responsible for the operations and maintenance of signals and ITS features in the central region owned and operated by ADOT. They do not take care of potholes on the roads, that responsibility belongs to the individual Districts (see ADOT MCO Districts).	Existing	Maint and Constr Management Center
ADOT	ADOT Systems Maintenance Vehicles	ADOT systems maintenance vehicles are used for performing maintenance on signals in ADOT's central district, and on all ITS field equipment throughout the state.	Existing	Basic Maint and Constr Vehicle
ADOT	ADOT Systems Maintenance Vehicles	ADOT systems maintenance vehicles are used for performing maintenance on signals in ADOT's central district, and on all ITS field equipment throughout the state.	Existing	Maint and Constr Vehicle OBE
ADOT	ADOT TOC and EMC	The ADOT Traffic Operations Center (TOC) is Arizona's traffic management center that monitors traffic conditions throughout the State of Arizona. This element connects to other states surrounding ADOT as an "Other Emergency Management" and "Other Traffic Management" element. The TOC also controls other ITS field equipment, such as CCTV cameras, ramp meters, and dynamic message signs owned by ADOT and all other field equipment.	Existing	Center
ADOT	ADOT TOC and EMC	The ADOT Traffic Operations Center (TOC) is Arizona's traffic management center that monitors traffic conditions throughout the State of Arizona. This element connects to other states surrounding ADOT as an "Other Emergency Management" and "Other Traffic Management" element. The TOC also controls other ITS field equipment, such as CCTV cameras, ramp meters, and dynamic message signs owned by ADOT and all other field equipment.	Existing	Emergency Management Center
ADOT	ADOT TOC and EMC	The ADOT Traffic Operations Center (TOC) is Arizona's traffic management center that monitors traffic conditions throughout the State of Arizona. This element connects to other states surrounding ADOT as an "Other Emergency Management" and "Other Traffic Management" element. The TOC also controls other ITS field equipment, such as CCTV cameras, ramp meters, and dynamic message signs owned by ADOT and all other field equipment.	Existing	Traffic Management Center

Stakeholder	Element Name	Element Description	Element Status	Associated Physical Objects
ADOT	ADOT TOC Data Archive	<p>ADOT TOC Data Archive is the 'Archived Data System' that collects, archives, manages, and distributes data generated from ITS sources owned by ADOT for use in transportation administration, policy evaluation, safety, planning, performance monitoring, program assessment, operations, and research applications. The data received is formatted and tagged with attributes that define the data source, conditions under which it was collected, data transformations, and other information (i.e. meta data) necessary to interpret the data.</p> <p>The archive can fuse ITS generated data with data from non-ITS sources and other archives to generate information products utilizing data from multiple functional areas, modes, and jurisdictions. The archive prepares data products that can serve as inputs to federal, state, and local data reporting systems. The 'Archived Data System' resides within the ADOT TOC and provides focused access to ADOT's data archives.</p>	Existing	Archived Data System
ADOT	ADOT TOC Data User System	ADOT TOC data user system is the system that users employ to access archived data. The general interface provided allows a broad range of users (e.g. planners, researchers, analysts, operators) and their systems (e.g. databases, models, analytical tools, user interface devices) to acquire data and analyses results from the archive.	Existing	Archived Data User System
ADOT	ADOT TOC Traffic Information Center	ADOT TOC transportation information center' collects, processes, stores, and disseminates transportation information to system operators and the traveling public. The physical object can play several different roles in an integrated ITS. In one role, the TIC provides a data collection, fusing, and repackaging function, collecting information from transportation system operators and redistributing this information to other system operators in the region and other TICs. In this information redistribution role, the TIC provides a bridge between the various transportation systems that produce the information and the other TICs and their subscribers that use the information. The second role of a TIC is focused on delivery of traveler information to subscribers and the public at large. Information provided includes basic advisories, traffic and road conditions, transit schedule information, yellow pages information, ride matching information, and parking information. The TIC is commonly implemented as a website or a web-based application service, but it represents any traveler information distribution service.	Existing	Transportation Information Center
ADOT	ADOT WIM Stations	Weigh in Motion (WIM) is the process of weighing a moving roadside vehicle using road sensors and scales. ADOT Enforcement Compliance Division (ECD) administrates the Commercial Vehicle Operations (CVO) WIM for Arizona. This includes pre-pass stations at the national ports-of-entry and weigh stations at interational ports-of-entry; WIM is also used for traffic monitoring and pavement preservation.	Existing	Commercial Vehicle Check Equipment
ADOT	ADOT Wrong-Way Illuminated Signage	Wrong way illuminated signage are owned and operated by ADOT. When thermal cameras are tripped by a vehicle going the wrong way the illuminated signage is activated to notify the errant driver that they are going the wrong way.	Existing	Other Connected Vehicle Roadside Equipment
ADOT	ADOT Wrong-Way Illuminated Signage	Wrong way illuminated signage are owned and operated by ADOT. When thermal cameras are tripped by a vehicle going the wrong way the illuminated signage is activated to notify the errant driver that they are going the wrong way.	Existing	Other ITS Roadway Equipment

Stakeholder	Element Name	Element Description	Element Status	Associated Physical Objects
ADOT	DEMA CRT - HazMat Response Team	<p>The Certified Response Team (CRT) handles after-hours emergency response responsibilities for the Arizona Department of Emergency and Military Affairs (DEMA).</p> <p>The CRT Coordinator assists in the management of CRT under the direction of the Response Branch Manager.</p> <p>In cooperation with the Response Branch Manager, the CRT Duty Officer receives emergency alerts, issues warnings and instructions to the public, and coordinates with local emergency officials.</p> <p>CRT Duty Officers and Deputy Duty Officers are entrusted to:</p> <p>activate the State Emergency Operations Center (SEOC) as directed; provide 24/7/365 customer service to DEMA's federal, state, local and tribal emergency response partners; and staff the SEOC after hours as needed.</p>	Existing	Center
ADOT	DEMA CRT - HazMat Response Team	<p>The Certified Response Team (CRT) handles after-hours emergency response responsibilities for the Arizona Department of Emergency and Military Affairs (DEMA).</p> <p>The CRT Coordinator assists in the management of CRT under the direction of the Response Branch Manager.</p> <p>In cooperation with the Response Branch Manager, the CRT Duty Officer receives emergency alerts, issues warnings and instructions to the public, and coordinates with local emergency officials.</p> <p>CRT Duty Officers and Deputy Duty Officers are entrusted to:</p> <p>activate the State Emergency Operations Center (SEOC) as directed; provide 24/7/365 customer service to DEMA's federal, state, local and tribal emergency response partners; and staff the SEOC after hours as needed.</p>	Existing	Emergency Management Center
ADOT	DEMA CRT - HazMat Response Team	<p>The Certified Response Team (CRT) handles after-hours emergency response responsibilities for the Arizona Department of Emergency and Military Affairs (DEMA).</p> <p>The CRT Coordinator assists in the management of CRT under the direction of the Response Branch Manager.</p> <p>In cooperation with the Response Branch Manager, the CRT Duty Officer receives emergency alerts, issues warnings and instructions to the public, and coordinates with local emergency officials.</p> <p>CRT Duty Officers and Deputy Duty Officers are entrusted to:</p> <p>activate the State Emergency Operations Center (SEOC) as directed; provide 24/7/365 customer service to DEMA's federal, state, local and tribal emergency response partners; and staff the SEOC after hours as needed.</p>	Existing	Traffic Management Center

Stakeholder	Element Name	Element Description	Element Status	Associated Physical Objects
American Association of Motor Vehicle Administrators (AAMVA)	AAMVA Driver and Vehicle Verification Systems	AAMVA develops and maintains many information systems that facilitate the electronic exchange of driver, vehicle, and identity information between organizations. Some of the driver related systems include the Commercial Driver's License Information System (CDLIS), Problem Driver Pointer System (PDPS), and the State to State Verification Service (S2S). The National Motor Vehicle Title Information System (NMVTIS) is among the vehicle related systems that AAMVA maintains. These and other AAMVA maintained systems are used by the Arizona Department of Transportation Motor Vehicle Division to transmit, query, and verify driver and vehicle information to and from other jurisdictions in order to process driver and vehicle transactions.	Existing	Archived Data System
American Association of Motor Vehicle Administrators (AAMVA)	AAMVA Driver and Vehicle Verification Systems	AAMVA develops and maintains many information systems that facilitate the electronic exchange of driver, vehicle, and identity information between organizations. Some of the driver related systems include the Commercial Driver's License Information System (CDLIS), Problem Driver Pointer System (PDPS), and the State to State Verification Service (S2S). The National Motor Vehicle Title Information System (NMVTIS) is among the vehicle related systems that AAMVA maintains. These and other AAMVA maintained systems are used by the Arizona Department of Transportation Motor Vehicle Division to transmit, query, and verify driver and vehicle information to and from other jurisdictions in order to process driver and vehicle transactions.	Existing	Commercial Vehicle Administration Center
American Association of Motor Vehicle Administrators (AAMVA)	AAMVA IRP Clearinghouse	International Registration Plan or IRP Inc. is a registration reciprocity agreement among jurisdictions in the United States and Canada which provides for payment of license fees based on fleet miles operated in various jurisdictions. IRP Inc. is responsible for the international carrier plan that helps the carrier decide where to locate their home base for portioned and allocated rates to each state.	Existing	Commercial Vehicle Administration Center
American Association of Motor Vehicle Administrators (AAMVA)	AAMVA IRP Clearinghouse	International Registration Plan or IRP Inc. is a registration reciprocity agreement among jurisdictions in the United States and Canada which provides for payment of license fees based on fleet miles operated in various jurisdictions. IRP Inc. is responsible for the international carrier plan that helps the carrier decide where to locate their home base for portioned and allocated rates to each state.	Existing	Freight Distribution and Logistics Center
American Association of Motor Vehicle Administrators (AAMVA)	AAMVA IRP Clearinghouse	International Registration Plan or IRP Inc. is a registration reciprocity agreement among jurisdictions in the United States and Canada which provides for payment of license fees based on fleet miles operated in various jurisdictions. IRP Inc. is responsible for the international carrier plan that helps the carrier decide where to locate their home base for portioned and allocated rates to each state.	Existing	Other Authorizing Centers
American Association of Motor Vehicle Administrators (AAMVA)	AAMVA IRP Clearinghouse	International Registration Plan or IRP Inc. is a registration reciprocity agreement among jurisdictions in the United States and Canada which provides for payment of license fees based on fleet miles operated in various jurisdictions. IRP Inc. is responsible for the international carrier plan that helps the carrier decide where to locate their home base for portioned and allocated rates to each state.	Existing	Other Payment Administration Centers
Archive Data Users	Archive Data Users	Any user of archive data products from any archive management system. This may include individual users, computer applications, or modeling systems utilizing the archived data.	Existing	Archived Data User System

Stakeholder	Element Name	Element Description	Element Status	Associated Physical Objects
Arizona Cities and Towns	Cities and Towns Data Archive	The Cities and Town Data Archive is often referred to as the traffic database in cities. It is used primarily to store performance data, road closures, speed, construction activities, and planned events. This database is used to archive all types of traffic data.	Existing	Archived Data System
Arizona Cities and Towns	Cities and Towns Data User Systems	Cities and Towns 'Data User Systems' represents the systems users employ to access archived data from all cities and towns in Arizona. The general interface provided allows a broad range of users (e.g. planners, researchers, analysts, operators) and their systems (e.g. databases, models, analytical tools, user interface devices) to acquire data and analyses results from the archive.	Existing	Archived Data User System
Arizona Cities and Towns	Cities and Towns EOC-EMC	<p>Cities and Towns Emergency Management Centers and Emergency Ops Centers throughout the state. The 'Emergency Management Center' represents systems that support incident management, disaster response and evacuation, security monitoring, and other security and public safety-oriented ITS applications. It includes the functions associated with fixed and mobile public safety communications centers including public safety call taker and dispatch centers operated by police (including transit police), fire, and emergency medical services. It includes the functions associated with Emergency Operations Centers that are activated at local, regional, state, and federal levels for emergencies and the portable and transportable systems that support Incident Command System operations at an incident. This Center also represents systems associated with towing and recovery, freeway service patrols, HAZMAT response teams, and mayday service providers. It manages sensor and surveillance equipment used to enhance transportation security of the roadway infrastructure (including bridges, tunnels, interchanges, and other key roadway segments) and the public transportation system (including transit vehicles, public areas such as transit stops and stations, facilities such as transit yards, and transit infrastructure such as rail, bridges, tunnels, or bus guideways). It provides security/surveillance services to improve traveler security in public areas not a part of the public transportation system.</p> <p>It monitors alerts, advisories, and other threat information and prepares for and responds to identified emergencies. It coordinates emergency response involving multiple agencies with peer centers. It stores, coordinates, and utilizes emergency response and evacuation plans to facilitate this coordinated response. Emergency situation information including damage assessments, response status, evacuation information, and resource information are shared. The Emergency Management Center also provides a focal point for coordination of the emergency and evacuation information that is provided to the traveling public, including wide-area alerts when immediate public notification is warranted.</p> <p>It tracks and manages emergency vehicle fleets using real-time road network status and routing information from the other centers to aid in selecting the emergency vehicle(s) and routes, and works with other relevant centers to tailor traffic control to support emergency vehicle ingress and egress, implementation of special traffic restrictions and closures, evacuation traffic control plans, and other special strategies that adapt the transportation system to better meet the unique demands of an emergency.</p>	Existing	Emergency Management Center
Arizona Cities and Towns	Cities and Towns Fiber Backbone	This element represents all city and town main fiber backbones, in which the cities and towns are responsible for and/or planning within their jurisdictional boundaries.	Existing	Data Distribution System

Stakeholder	Element Name	Element Description	Element Status	Associated Physical Objects
Arizona Cities and Towns	Cities and Towns ITS Field Equipment	Cities and Towns 'ITS Roadway Equipment' represents the ITS equipment that is distributed on and along the roadway that monitors and controls traffic and monitors and manages the roadway itself. This physical object includes traffic detectors, environmental sensors, traffic signals, highway advisory radios, dynamic message signs, CCTV cameras and video image processing systems, grade crossing warning systems, and ramp metering systems. Lane management systems and barrier systems that control access to transportation infrastructure such as roadways, bridges and tunnels are also included. This object also provides environmental monitoring including sensors that measure road conditions, surface weather, and vehicle emissions. Work zone systems including work zone surveillance, traffic control, driver warning, and work crew safety systems are also included.	Existing	ITS Roadway Equipment
Arizona Cities and Towns	Cities and Towns ITS Field Equipment	Cities and Towns 'ITS Roadway Equipment' represents the ITS equipment that is distributed on and along the roadway that monitors and controls traffic and monitors and manages the roadway itself. This physical object includes traffic detectors, environmental sensors, traffic signals, highway advisory radios, dynamic message signs, CCTV cameras and video image processing systems, grade crossing warning systems, and ramp metering systems. Lane management systems and barrier systems that control access to transportation infrastructure such as roadways, bridges and tunnels are also included. This object also provides environmental monitoring including sensors that measure road conditions, surface weather, and vehicle emissions. Work zone systems including work zone surveillance, traffic control, driver warning, and work crew safety systems are also included.	Existing	Wayside Equipment
Arizona Cities and Towns	Cities and Towns MCO Dispatch	Counties, cities and municipal public works divisions that provide maintenance and construction for roadways throughout the State of Arizona.	Existing	Maint and Constr Management Center
Arizona Cities and Towns	Cities and Towns MCO Vehicles	Cities and Towns maintenance, construction and signal repair vehicles.	Existing	Basic Maint and Constr Vehicle
Arizona Cities and Towns	Cities and Towns MCO Vehicles	Cities and Towns maintenance, construction and signal repair vehicles.	Existing	Maint and Constr Vehicle OBE
Arizona Cities and Towns	Cities and Towns Police and Fire Dispatch	Cities and Towns police department and fire department dispatch representing the dispatching function of all cities and towns throughout the state of Arizona, existing and planned.	Existing	Emergency Management Center
Arizona Cities and Towns	Cities and Towns Police and Fire Vehicles	Cities and Towns police and fire emergency vehicles.	Existing	Emergency Vehicle OBE
Arizona Cities and Towns	Cities and Towns Public Works	Cities and towns public works represents the maintenance division for streets and traffic signals.	Existing	Maint and Constr Management Center
Arizona Cities and Towns	Cities and Towns Public Works	Cities and towns public works represents the maintenance division for streets and traffic signals.	Existing	Surface Transportation Weather Service
Arizona Cities and Towns	Cities and Towns Public Works Vehicles	Cities and Towns public work vehicles provide maintenance and operations services to the City's public works division. This element represents both existing and planned vehicles and, may include vehicle location and time data source for monitoring vehicle location, time that services required and other maintenance and operations performance measures.	Existing	Basic Maint and Constr Vehicle

Stakeholder	Element Name	Element Description	Element Status	Associated Physical Objects
Arizona Cities and Towns	Cities and Towns Public Works Vehicles	Cities and Towns public work vehicles provide maintenance and operations services to the City's public works division. This element represents both existing and planned vehicles and, may include vehicle location and time data source for monitoring vehicle location, time that services required and other maintenance and operations performance measures.	Existing	Maint and Constr Vehicle OBE
Arizona Cities and Towns	Cities and Towns TIC and Website	<p>The Cities and Towns Website represents existing and planned websites. Websites can serve as a transportation information center subsystem and can contain event information, traffic information, maintenance and construction information, and weather information. At the broadest services, this element would serve as a Transportation Information Center' (TIC): collects, processes, stores, and disseminates transportation information to system operators and the traveling public.</p> <p>The physical object can play several different roles in an integrated ITS. In one role, the TIC provides a data collection, fusing, and repackaging function, collecting information from transportation system operators and redistributing this information to other system operators in the region and other TICs. In this information redistribution role, the TIC provides a bridge between the various transportation systems that produce the information and the other TICs and their subscribers that use the information. The second role of a TIC is focused on delivery of traveler information to subscribers and the public at large. Information provided includes basic advisories, traffic and road conditions, transit schedule information, yellow pages information, ride matching information, and parking information. The TIC is commonly implemented as a website or a web-based application service, but it represents any traveler information distribution service.</p>	Existing	Transportation Information Center
Arizona Cities and Towns	Cities and Towns TMC-TOC	Cities and Towns Traffic Operations Center (TOC) manages traffic signal operations and may perform other traffic management activities. This ITS element represents all cities and counties existing and planned for in the future. Some cities and towns plan to connect with other local traffic ops centers, including but not limited to, ADOTs statewide TOC, local police, local fire, emergency operations centers and transit services. This element could be existing or planned.	Existing	Traffic Management Center
Arizona Cities and Towns	Cities and Towns Train Wayside Alert	Arizona Cities and Towns Train Wayside Alert system represents wayside equipment that sends alerts regarding an approaching train for at grade road crossings. The city of Casa Grande has over 100 trains a day that cross roadways at the same grade as the road. Other existing crossings include Flagstaff,	Existing	Wayside Equipment
Arizona Cities and Towns	Cities and Towns Transit Vehicles	Cities and Towns have fixed transit routes and paratransit. This represents buses and vehicles connected to the Transit Dispatch Centers.	Existing	Basic Transit Vehicle
Arizona Cities and Towns	Cities and Towns Transit Vehicles	Cities and Towns have fixed transit routes and paratransit. This represents buses and vehicles connected to the Transit Dispatch Centers.	Existing	Transit Vehicle OBE
Arizona Cities and Towns	Cities and Towns Weather Flood Alerts	Cities and towns weather flood alerts represents weather systems that report flooding conditions and will automatically trigger an alert to notify motorists when the wash is flowing at a specific height. The City of Casa Grande, xxxx all have these systems. This elements is both existing and planned for those cities and towns that want to implement these systems in the future.	Existing	ITS Roadway Equipment
Arizona Cities and Towns	Cities and Towns Wireless Radio	Cities and Towns wireless radio communications	Existing	Data Distribution System
Arizona Cities and Towns	City and Towns Transit Dispatch	Cities and towns transit dispatch such as Kingman Area Regional Transit (KART), Yuba, etc. includes both existing and planned transit dispatch, provides fixed transit services throughout the state.	Existing	Transit Management Center

Stakeholder	Element Name	Element Description	Element Status	Associated Physical Objects
Arizona Counties	County 911 PSAPs	Public Safety Answering Point (PSAPs) for 911 emergency response call answering in the State of Arizona.	Existing	Emergency Telecommunications System
Arizona Counties	County Data Archive	County Data Archive stores raw traffic count data collected throughout the region. Assists with fulfilling Highway Performance Monitoring System (HPMS) federal requirements to collect current traffic counts (and other info) for all functionally classified roads.	Existing	Archived Data System
Arizona Counties	County Data User Systems	County 'Data User Systems' represents the systems users employ to access archived data. The general interface provided allows a broad range of users (e.g. planners, researchers, analysts, operators) and their systems (e.g. databases, models, analytical tools, user interface devices) to acquire data and analyses results from the archive.	Existing	Archived Data User System
Arizona Counties	County EMC-EOC	County Emergency Management (EMC) and Operations Center (EOC) with connections to TMCs, ADEM, BLM, statewide EOCs, and Sheriff's Offices	Existing	Emergency Management Center
Arizona Counties	County Flood Warning System	County flood warning systems include automated weather stations, ALERT, CCTV, and all existing and planned County rainfall sensors and monitoring systems that connects to a flood control central computer. This system may send information to traffic management centers or, may provided roadside to roadside information to motorists. It will provide information about floods that could impact traffic on highways.	Existing	ITS Roadway Equipment
Arizona Counties	County ITS Field Equipment	County owned and operated field equipment: DMS, traffic signal, driver feedback speed limit signs, CCTV, detection, Road Weather Information System and, Highway Advisory Radio (HAR).	Existing	ITS Roadway Equipment
Arizona Counties	County Mobile App	County has an innovative custom mobile app that allows road closure and opening notifications from field devices. Auto e-mail and social media notifications are disseminated.	Existing	Media
Arizona Counties	County Public Works	County Public Works Department serves as the maintenance and construction management center that monitors and manages roadway infrastructure construction and maintenance activities. Public works provides the following functions: engineering, ERACE, facilities management, fleet services and equipment maintenance, improvement districts, parks, roads, survey and traffic control.	Existing	Maint and Constr Management Center
Arizona Counties	County Public Works Vehicles	County maintenance vehicles and construction equipment that belong to the Public Works Department and largely equipped with AVL.	Existing	Basic Maint and Constr Vehicle
Arizona Counties	County Public Works Vehicles	County maintenance vehicles and construction equipment that belong to the Public Works Department and largely equipped with AVL.	Existing	Maint and Constr Vehicle OBE
Arizona Counties	County Radio Systems	County two-way radio systems operating usually on frequency 150.	Existing	Data Distribution System
Arizona Counties	County Sheriff Dispatch	This element represents the County Sheriff's Office and their associated dispatch center.	Existing	Emergency Management Center
Arizona Counties	County Sheriffs Vehicles	County Sheriffs' Offices or other law enforcement vehicles.	Existing	Emergency Vehicle OBE
Arizona Counties	County TMC-TOC	County Traffic Management Center and traffic operations centers with connections to the county EOCs/EMCs, ADEM, BLM, and Sheriff's Office.	Existing	Traffic Management Center
Arizona Counties	County Transit Kiosks	This element represents all county kiosks used by travelers to view bus scheduling times or to purchase transit passes, such as theMountain Line Kiosks.	Existing	Traveler Support Equipment
Arizona Counties	County Website and NIXAL	County website contains event information, traffic information, maintenance and construction information, and weather information.	Existing	Other Transit Management Centers

Stakeholder	Element Name	Element Description	Element Status	Associated Physical Objects
Arizona Counties	County Website and NIXAL	County website contains event information, traffic information, maintenance and construction information, and weather information.	Existing	Transportation Information Center
Arizona Department of Environmental Quality (ADEQ)	ADEQ Arizona Emissions Management	Arizona Emissions Management communicates with MVD by providing emissions testing data. They also alert the traffic management center on "poor" air quality days so that they can alert the public through DMS.	Existing	Emissions Management Center
Arizona Department of Public Safety (DPS)	DPS Backhaul Communications System	The core microwave communications backbone that makes the bureau's communications work possible. This is a state-wide asset supporting communications to federal, tribal, state and local government agencies. The Backhaul communications system is being upgraded from analog to digital microwave. NOTE: Rural DMS rely on this system for Communications to the ADOT TOC.	Existing	Data Distribution System
Arizona Department of Public Safety (DPS)	DPS Backhaul Communications System	The core microwave communications backbone that makes the bureau's communications work possible. This is a state-wide asset supporting communications to federal, tribal, state and local government agencies. The Backhaul communications system is being upgraded from analog to digital microwave. NOTE: Rural DMS rely on this system for Communications to the ADOT TOC.	Existing	Other Data Distribution Systems
Arizona Department of Public Safety (DPS)	DPS Central Communications Center	The DPS Central Communications Center is the dispatch center for State Highway Patrol and Freeway Service Patrol (FSP). The Department of Public Safety serves as the state law enforcement for highways, they also manage the FSP and the communications and work with FAA on licensing. Arizona DPS Freeway Service Patrol are dispatched here. This program is funded by ADOT, managed by DPS and serves to provide assistance to motorists on freeways requiring support or to help with tires, calling for tow, removing roadway debris, assisting officers at collision scenes, road and ramp closures, stalled vehicles, minor collisions or other incidents.	Existing	Center
Arizona Department of Public Safety (DPS)	DPS Central Communications Center	The DPS Central Communications Center is the dispatch center for State Highway Patrol and Freeway Service Patrol (FSP). The Department of Public Safety serves as the state law enforcement for highways, they also manage the FSP and the communications and work with FAA on licensing. Arizona DPS Freeway Service Patrol are dispatched here. This program is funded by ADOT, managed by DPS and serves to provide assistance to motorists on freeways requiring support or to help with tires, calling for tow, removing roadway debris, assisting officers at collision scenes, road and ramp closures, stalled vehicles, minor collisions or other incidents.	Existing	Emergency Management Center
Arizona Department of Public Safety (DPS)	DPS Central Communications Center	The DPS Central Communications Center is the dispatch center for State Highway Patrol and Freeway Service Patrol (FSP). The Department of Public Safety serves as the state law enforcement for highways, they also manage the FSP and the communications and work with FAA on licensing. Arizona DPS Freeway Service Patrol are dispatched here. This program is funded by ADOT, managed by DPS and serves to provide assistance to motorists on freeways requiring support or to help with tires, calling for tow, removing roadway debris, assisting officers at collision scenes, road and ramp closures, stalled vehicles, minor collisions or other incidents.	Existing	Traffic Management Center

Stakeholder	Element Name	Element Description	Element Status	Associated Physical Objects
Arizona Department of Public Safety (DPS)	DPS Commercial Vehicle Enforcement	The DPS Commercial Vehicle Division's mission is to assure the safety of the motoring public by enforcing the Federal Carrier Safety Regulations. Primary functions include inspections, weighing and traffic enforcement. Commercial Vehicle Information Exchange collects snapshots for interstate and intrastate carriers, vehicles, and drivers. CVO Administration interfaces with SAFER for interstate snapshot exchange and distributes snapshots to other states.	Existing	Commercial Vehicle Administration Center
Arizona Department of Public Safety (DPS)	DPS Commercial Vehicle Enforcement	The DPS Commercial Vehicle Division's mission is to assure the safety of the motoring public by enforcing the Federal Carrier Safety Regulations. Primary functions include inspections, weighing and traffic enforcement. Commercial Vehicle Information Exchange collects snapshots for interstate and intrastate carriers, vehicles, and drivers. CVO Administration interfaces with SAFER for interstate snapshot exchange and distributes snapshots to other states.	Existing	Enforcement Center
Arizona Department of Public Safety (DPS)	DPS Console Interface (Other LE)	The interface between DPS Dispatch and all other law enforcement agencies, local dispatch and emergency dispatch throughout the state.	Existing	Other Emergency Management Centers
Arizona Department of Public Safety (DPS)	DPS Data Archive	DPS has a database archive that is maintained in house at DPS as a confidential archive in order to preserve law enforcement security.	Existing	Archived Data System
Arizona Department of Public Safety (DPS)	DPS Data User Systems	Archived Data User System' represents the systems users employ to access archived data. The general interface provided allows a broad range of users (e.g. planners, researchers, analysts, operators) and their systems (e.g. databases, models, analytical tools, user interface devices) to acquire data and analyses results from the archive.	Existing	Archived Data User System
Arizona Department of Public Safety (DPS)	DPS Network Operations Center - NOC	The DPS NOC is the central consolidation point for all public safety radio communications services on the DPS maintained network. Radio traffic from the communication site infrastructure throughout the state is routed in and out of the NOC to over 10 dispatch centers serving multiple state agencies.	Existing	Center
Arizona Department of Public Safety (DPS)	DPS Radio System	DPS Radio system that brings communications from the radios in the field to the backhaul.	Existing	Data Distribution System
Arizona Department of Public Safety (DPS)	DPS Radio System	DPS Radio system that brings communications from the radios in the field to the backhaul.	Existing	Other Data Distribution Systems

Stakeholder	Element Name	Element Description	Element Status	Associated Physical Objects
Arizona Department of Public Safety (DPS)	DPS RMA Vehicles	DPS Roadside Motorist Assistance (RMA) Vehicles	Existing	Emergency Vehicle OBE
Arizona Department of Public Safety (DPS)	DPS Roadside Safety Inspection	A laptop based system to conduct roadside safety inspections by DPS	Existing	Commercial Vehicle Check Equipment
Arizona Department of Public Safety (DPS)	DPS Roadside Safety Inspection	A laptop based system to conduct roadside safety inspections by DPS	Existing	Enforcement Center
Arizona Department of Public Safety (DPS)	DPS Vehicles	DPS Patrol Vehicles. Includes the subscriber on-board units (OBU) or radios used to communicate on the DPS radio system.	Existing	Emergency Vehicle OBE
Arizona Department of Public Safety (DPS)	DPS Wireless Systems Bureau	A Bureau under the Technical Services Division of DPS, the Wireless Systems Bureau is an essential in-house support function responsible for the design, coordination, construction, and maintenance services for statewide radio, voice and data telecommunications systems. This bureau is responsible for DPS's Backhaul Communications. (DPS Wireless runs the whole microwave backbone, design, construct and maintain as well as track the system for operations).	Existing	Other Maint and Constr Mgmt Centers
Arizona Division of Emergency and Military Affairs (DEMA)	DEMA CRT - HazMat Response Team	<p>The Certified Response Team (CRT) handles after-hours emergency response responsibilities for the Arizona Department of Emergency and Military Affairs (DEMA).</p> <p>The CRT Coordinator assists in the management of CRT under the direction of the Response Branch Manager.</p> <p>In cooperation with the Response Branch Manager, the CRT Duty Officer receives emergency alerts, issues warnings and instructions to the public, and coordinates with local emergency officials.</p> <p>CRT Duty Officers and Deputy Duty Officers are entrusted to:</p> <p>activate the State Emergency Operations Center (SEOC) as directed;</p> <p>provide 24/7/365 customer service to DEMAs federal, state, local and tribal emergency response partners; and</p> <p>staff the SEOC after hours as needed.</p>	Existing	Center

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Arizona Division of Emergency and Military Affairs (DEMA)	DEMA CRT - HazMat Response Team	<p>The Certified Response Team (CRT) handles after-hours emergency response responsibilities for the Arizona Department of Emergency and Military Affairs (DEMA).</p> <p>The CRT Coordinator assists in the management of CRT under the direction of the Response Branch Manager.</p> <p>In cooperation with the Response Branch Manager, the CRT Duty Officer receives emergency alerts, issues warnings and instructions to the public, and coordinates with local emergency officials.</p> <p>CRT Duty Officers and Deputy Duty Officers are entrusted to:</p> <p>activate the State Emergency Operations Center (SEOC) as directed; provide 24/7/365 customer service to DEMA's federal, state, local and tribal emergency response partners; and staff the SEOC after hours as needed.</p>	Existing	Emergency Management Center
Arizona Division of Emergency and Military Affairs (DEMA)	DEMA CRT - HazMat Response Team	<p>The Certified Response Team (CRT) handles after-hours emergency response responsibilities for the Arizona Department of Emergency and Military Affairs (DEMA).</p> <p>The CRT Coordinator assists in the management of CRT under the direction of the Response Branch Manager.</p> <p>In cooperation with the Response Branch Manager, the CRT Duty Officer receives emergency alerts, issues warnings and instructions to the public, and coordinates with local emergency officials.</p> <p>CRT Duty Officers and Deputy Duty Officers are entrusted to:</p> <p>activate the State Emergency Operations Center (SEOC) as directed; provide 24/7/365 customer service to DEMA's federal, state, local and tribal emergency response partners; and staff the SEOC after hours as needed.</p>	Existing	Traffic Management Center
Arizona Division of Emergency and Military Affairs (DEMA)	DEMA Data Archive	The traffic database for DEMA which assists in coordinating State emergency preparedness, response, recovery and mitigation efforts to recue the impacts of disasters on persons, property and economies of a specific community. Archives raw data collected throughout the region.	Existing	Archived Data System
Arizona Division of Emergency and Military Affairs (DEMA)	DEMA Data User Systems	Data User Systems' represents the systems users employ to access archived data. The general interface provided allows a broad range of users (e.g. planners, researchers, analysts, operators) and their systems (e.g. databases, models, analytical tools, user interface devices) to acquire data and analyses results from the archive.	Existing	Archived Data User System
Arizona Division of Emergency and Military Affairs (DEMA)	DEMA Emergency Alert System	DEMA Emergency Alert System provides state and local authorities with the ability to provide emergency information to the general public via broadcast stations, cable and wireless cable systems. DEMA coordinates with the National Weather Service, the Department of Public Safety (DPS), and the Arizona Broadcaster's Association to ensure that the Emergency Alerting System is functioning and reaching all intended recipients.	Existing	Alerting and Advisory System

Stakeholder	Element Name	Element Description	Element Status	Associated Physical Objects
Arizona Division of Emergency and Military Affairs (DEMA)	DEMA Enforcement	The Arizona Division of Emergency Management (ADEM) is a division within the Arizona Department of Emergency and Military Affairs (DEMA). ADEM prepares and coordinates emergency services and the efforts of governmental agencies to reduce the impact of disaster on persons and property.	Existing	Enforcement Center
Arizona Division of Emergency and Military Affairs (DEMA)	DEMA Enforcement	The Arizona Division of Emergency Management (ADEM) is a division within the Arizona Department of Emergency and Military Affairs (DEMA). ADEM prepares and coordinates emergency services and the efforts of governmental agencies to reduce the impact of disaster on persons and property.	Existing	Other Emergency Management Centers
Arizona Division of Emergency and Military Affairs (DEMA)	DEMA National Guard Vehicles	National Guard Vehicles are dispatched by Arizona DEMA during extreme emergencies.	Existing	Emergency Vehicle OBE
Arizona Division of Emergency and Military Affairs (DEMA)	DEMA SEOC Arizona DEM Military Affairs	The State of Arizona's Emergency Operations Center is used to manage emergencies and disaster response. They interact with other states during an emergency. They use WebEOC for incident management tracking and communications. They coordinate all county EOC activity, etc... They also have their own paging system "Communicator NXT" for emergency notifications during emergencies to responders - including state agencies (i.e., ADOT, DPS, etc.). The NXT system is a broadcasting telephone system.	Existing	Emergency Management Center
Arizona Division of Emergency and Military Affairs (DEMA)	DEMA WebEOC System	This is a web based incident management system used for incident command (IC) when a statewide emergency has been declared and DEMA is the IC. There are 5 state agency users and six counties in Arizona that use this system along with the State Emergency Operations Center. The system is not integrated yet with surrounding states but, there are plans to integrate the WebEOC systems in the future. This system tracks your planning cycle, resources, location, finances, situation report, etc... (A request comes in from a county; ADEM receives the request, communicates to the appropriate response agency and responds back that the situation is handled).	Existing	Emergency Telecommunications System
Arizona Division of Emergency and Military Affairs (DEMA)	DEMA WebEOC System	This is a web based incident management system used for incident command (IC) when a statewide emergency has been declared and DEMA is the IC. There are 5 state agency users and six counties in Arizona that use this system along with the State Emergency Operations Center. The system is not integrated yet with surrounding states but, there are plans to integrate the WebEOC systems in the future. This system tracks your planning cycle, resources, location, finances, situation report, etc... (A request comes in from a county; ADEM receives the request, communicates to the appropriate response agency and responds back that the situation is handled).	Existing	Other Emergency Management Centers
Arizona MPOs and COGs	MPO-COG Data User Systems	MPO-COG Data User Systems' represents the systems users employ to access archived data from Metropolitan Planning Organizations and/or Council of Government organizations in Arizona. The general interface provided allows a broad range of users (e.g. planners, researchers, analysts, operators) and their systems (e.g. databases, models, analytical tools, user interface devices) to acquire data and analyses results from the archive.	Existing	Archived Data User System
Arizona MPOs and COGs	MPO-COG Planning Traffic Database	The traffic database for Metropolitan Planning Organizations (MPO) and Council of Governments (COG). This element archives raw traffic count data collected throughout the region. Assists with fulfilling Highway Performance Monitoring System (HPMS) federal requirements to collect current traffic counts (and other info) for all functionally classified roads.	Existing	Archived Data System

Stakeholder	Element Name	Element Description	Element Status	Associated Physical Objects
Arizona MPOs and COGs	MPO-COG Planning Traffic Database	The traffic database for Metropolitan Planning Organizations (MPO) and Council of Governments (COG). This element archives raw traffic count data collected throughout the region. Assists with fulfilling Highway Performance Monitoring System (HPMS) federal requirements to collect current traffic counts (and other info) for all functionally classified roads.	Existing	Other Data Sources
Arizona Tribal Strategic Partnering Team (ATSPT)	ATTP Tribal Coordination Website	The Arizona Tribal Transportation Partnership (formerly ATSPT) site that contains resource information for tribal representatives. This website was developed by ADOT to support coordination efforts and to improve State-Tribal intergovernmental relations through resource information sharing. It is designed to be a central location for state-tribal transportation partnerships, projects, activities, groups, links, and other related information.	Existing	Transportation Information Center
Arizona Universities	State Universities Data Archives	Arizona Universities participate in various ITS projects. This ITS element reflects their transportation data archive database. Other examples include: UofA, ATLAS Center is involved in the SmartDrive - Connected Vehicle (formerly VII) effort involving on-board emergency response vehicles communicating with roadside equipment to cut down on crashes and support traffic incident management initiatives. University of Arizona Tucson has been involved in ITS research with collision avoidance systems, testing on-board RADAR and tracking systems and Real-time Hierarchically Optimized Distributed Effective Signal system (RHODES) and other ITS throughout decades.	Existing	Archived Data System
Arizona Universities	State Universities Data Archives	Arizona Universities participate in various ITS projects. This ITS element reflects their transportation data archive database. Other examples include: UofA, ATLAS Center is involved in the SmartDrive - Connected Vehicle (formerly VII) effort involving on-board emergency response vehicles communicating with roadside equipment to cut down on crashes and support traffic incident management initiatives. University of Arizona Tucson has been involved in ITS research with collision avoidance systems, testing on-board RADAR and tracking systems and Real-time Hierarchically Optimized Distributed Effective Signal system (RHODES) and other ITS throughout decades.	Existing	Other Data Sources
Arizona Universities	State Universities Data User Systems	Universities 'Data User Systems' represents the systems users employ to access archived data. The general interface provided allows a broad range of users (e.g. planners, researchers, analysts, operators) and their systems (e.g. databases, models, analytical tools, user interface devices) to acquire data and analyses results from the archive.	Existing	Archived Data User System
AZTech	AZTech RADS Data Archive	AZTech partners, including the Arizona Department of Transportation (ADOT) and the Maricopa County Department of Transportation (MCDOT), archive data generated by their ITS programs. Continued emphasis on regional transportation operations inspired AZTech leadership to develop a Regional Archived Data System (RADS) that consolidates ITS information from systems throughout the Valley, stores it in a centralized archived data server, and makes it available for a variety of stakeholders via a web interface.	Existing	Archived Data System
AZTech	AZTech RADS Data Archive	AZTech partners, including the Arizona Department of Transportation (ADOT) and the Maricopa County Department of Transportation (MCDOT), archive data generated by their ITS programs. Continued emphasis on regional transportation operations inspired AZTech leadership to develop a Regional Archived Data System (RADS) that consolidates ITS information from systems throughout the Valley, stores it in a centralized archived data server, and makes it available for a variety of stakeholders via a web interface.	Existing	Center

Stakeholder	Element Name	Element Description	Element Status	Associated Physical Objects
AZTech	AZTech RADS Data Archive	AZTech partners, including the Arizona Department of Transportation (ADOT) and the Maricopa County Department of Transportation (MCDOT), archive data generated by their ITS programs. Continued emphasis on regional transportation operations inspired AZTech leadership to develop a Regional Archived Data System (RADS) that consolidates ITS information from systems throughout the Valley, stores it in a centralized archived data server, and makes it available for a variety of stakeholders via a web interface.	Existing	Traffic Management Center
AZTech	AZTech RADS Data User System	AZTech partners, including the Arizona Department of Transportation (ADOT) and the Maricopa County Department of Transportation (MCDOT), archive data generated by their ITS programs. Continued emphasis on regional transportation operations inspired AZTech leadership to develop a Regional Archived Data System (RADS) that consolidates ITS information from systems throughout the Valley, stores it in a centralized archived data server, and makes it available for a variety of stakeholders via a web interface.	Existing	Archived Data User System
AZTech	AZTech Regional Info System (ARIS)	The AZTech Regional Information System (ARIS) is a regional ITS tool in the Phoenix Arizona area that provides real-time incident notification and intelligently assimilates incident-centric traffic information in support of traffic management, during an incident within a zone identified by the user. The ARIS system is part of the Maricopa Regional ITS Architecture. It has been designed based on the needs of local jurisdictions. Upon notification, ARIS automatically assimilates a range of useful information related to the particular incident and presents the information in a web-based "tactical screen".	Existing	Transportation Information Center
AZTech	AZTech Traffic Ops Center	AZTech™ partners, including the Arizona Department of Transportation (ADOT) and the Maricopa County Department of Transportation (MCDOT), facilitate operations of the AZTech Traffic Operations Center. This center is an "other traffic Management Center" for the statewide ITS Architecture because it performs a sharing rather than controlling of information function. It also supports regional traffic management strategies by providing vital transportation information for managing traffic in the Phoenix Valley but, doesn't manage statewide applications.	Existing	Other Traffic Management Centers
Bureau of Indian Affairs (BIA)	BIA Western Regional Website	The website for the Southwestern Region of the Bureau of Indian Affairs. Contains traffic information as well as scheduled maintenance and construction activities for the smaller pueblos in the Region. http://www.kstrom.net/isk/maps/az/azmap.html	Existing	Transportation Information Center
Emergency Medical (EM) Transport Companies	Emergency Medical Transport/Ambulances	Public and private emergency medical service providers that offer ambulance services and medical transports.	Existing	Emergency Vehicle OBE
Federal Motor Carrier Safety Agency (FMSCA)	Safety Fitness Electronic Record (SAFER)	SAFER provides carrier, vehicle, and driver safety and credential information to fixed and mobile roadside inspection stations. This information will allow the roadside inspector to select vehicles and/or drivers for inspection based on the number of prior carrier inspections, as well as historical carrier, vehicle, and driver safety information.	Existing	Commercial Vehicle Administration Center
Federal Motor Carrier Safety Agency (FMSCA)	Safety Fitness Electronic Record (SAFER)	SAFER provides carrier, vehicle, and driver safety and credential information to fixed and mobile roadside inspection stations. This information will allow the roadside inspector to select vehicles and/or drivers for inspection based on the number of prior carrier inspections, as well as historical carrier, vehicle, and driver safety information.	Existing	CVO Information Requestor Center

Stakeholder	Element Name	Element Description	Element Status	Associated Physical Objects
Federal Motor Carrier Safety Agency (FMSCA)	Safety Fitness Electronic Record (SAFER)	SAFER provides carrier, vehicle, and driver safety and credential information to fixed and mobile roadside inspection stations. This information will allow the roadside inspector to select vehicles and/or drivers for inspection based on the number of prior carrier inspections, as well as historical carrier, vehicle, and driver safety information.	Existing	Enforcement Center
Financial Institutions	Financial Institution	Any organization that handles electronic fund transfer requests to enable the transfer of funds from the user of a transportation related service to the provider of the same service.	Existing	Financial Center
Financial Institutions	Traveler Card-Smartcard	Traveler Card enables the actual transfer of electronic information from the user of a service (i.e. a traveler) to the provider of the service. This may include the transfer of funds through means of an electronic payment instrument. The device, like a smart card, may also hold and update the traveler's information such as personal profiles or trip histories.	Planned	Payment Device
Financial Institutions	Traveler Card-Smartcard	Traveler Card enables the actual transfer of electronic information from the user of a service (i.e. a traveler) to the provider of the service. This may include the transfer of funds through means of an electronic payment instrument. The device, like a smart card, may also hold and update the traveler's information such as personal profiles or trip histories.	Planned	Traveler Card
GIS Mapping Designers	Map Update System	Map updating systems (can be Google Earth, local power companies or other GIS sources).	Planned	Map Update System
Independent School Districts	Independent School District Bus Dispatch	Dispatch function for each of the independent school districts in the Region. Includes radio communication with school buses.	Existing	Transit Management Center
Independent School Districts	Independent School District Buses	Represents buses and any ITS equipment, such as mobile data terminals, on buses owned and operated by the independent school districts. May come equipped with security measures.	Existing	Basic Transit Vehicle
Independent School Districts	Independent School District Buses	Represents buses and any ITS equipment, such as mobile data terminals, on buses owned and operated by the independent school districts. May come equipped with security measures.	Existing	Transit Vehicle OBE
International Fuel Tax Association (IFTA)	IFTA Clearinghouse	This is a national clearinghouse designed to allocate fuel taxes between multiple states for motor carrier activities across jurisdictional lines, in accordance with the International Fuel Tax Agreement.	Existing	Commercial Vehicle Administration Center
Maricopa Association of Governments (MAG)	MAG Data User Systems	MAG Data User Systems' represents the systems users employ to access archived data. The general interface provided allows a broad range of users (e.g. planners, researchers, analysts, operators) and their systems (e.g. databases, models, analytical tools, user interface devices) to acquire data and analyses results from the archive.	Existing	Archived Data User System
Maricopa Association of Governments (MAG)	MAG Planning Traffic Database	The traffic database for MAG. Archives raw traffic count data collected throughout the region. Assists with fulfilling Highway Performance Monitoring System (HPMS) federal requirements to collect current traffic counts (and other info) for all functionally classified roads. This center provides the information to other stakeholders for planning.	Existing	Archived Data System

Stakeholder	Element Name	Element Description	Element Status	Associated Physical Objects
Maricopa Association of Governments (MAG)	MAG Planning Traffic Database	The traffic database for MAG. Archives raw traffic count data collected throughout the region. Assists with fulfilling Highway Performance Monitoring System (HPMS) federal requirements to collect current traffic counts (and other info) for all functionally classified roads. This center provides the information to other stakeholders for planning.	Existing	Other Data Sources
Maricopa Association of Governments (MAG)	MAG RCN Fiber	Maricopa Association of Governments Regional Communications Network (RCN) fiber for communications.	Existing	Data Distribution System
Maricopa County Department of Transportation (MCDOT)	Maricopa County EOC	Maricopa County EOC as services pertains to statewide emergency operations.	Existing	Emergency Management Center
Maricopa County Department of Transportation (MCDOT)	MCDOT Service Monitoring Sys for Connected Vehicles	The Service Monitor System represents one or more center-based systems that provide monitoring, management and control services necessary to other applications and/or devices operating within the Connected Vehicle Environment. These support services enable other applications to provide transportation services.	Existing	Service Monitor System
Media	Local Print and Broadcast Media	Includes the local newspapers and the local TV and radio stations not specifically called out in other ITS Architectures in the State of Arizona	Existing	Media
Media	Wide Area Alerting Systems	Wide Area Alerting Systems are used throughout the state to notify the public when there is an emergency often through a rapid notification system used to contact the public by telephone during times of emergency. Through a reverse 911 system, residents receive a recorded message in English and Spanish notifying them of the nature of the emergency, and what steps they should take to eliminate risks associated with the emergency. Any public safety agency can activate the system, which can be used for emergency incidents that pose a danger to life or property. Potential uses include emergencies such as major fires, floods, public safety threats, hazardous materials spills, police incidents, and endangered children or elderly persons.	Existing	Alerting and Advisory System
Media	Wide Area Alerting Systems	Wide Area Alerting Systems are used throughout the state to notify the public when there is an emergency often through a rapid notification system used to contact the public by telephone during times of emergency. Through a reverse 911 system, residents receive a recorded message in English and Spanish notifying them of the nature of the emergency, and what steps they should take to eliminate risks associated with the emergency. Any public safety agency can activate the system, which can be used for emergency incidents that pose a danger to life or property. Potential uses include emergencies such as major fires, floods, public safety threats, hazardous materials spills, police incidents, and endangered children or elderly persons.	Existing	Transportation Information Center
Mexico Governmental Agencies	Mexico Customs and Border Patrol	This element represents the border patrol agency at the border crossings in Mexico, who also handles customs when entering into Mexico	Existing	Emergency Management Center

Stakeholder	Element Name	Element Description	Element Status	Associated Physical Objects
Mexico Governmental Agencies	Mexico Public Safety	This element represents the public safety providers (police, fire and EMS) in the cities where border crossings exist and, in the surrounding Mexican States.	Existing	Emergency Management Center
Mexico Governmental Agencies	Mexico Regional Maintenance Section	This element represents the maintenance function in border crossing cities inside of Mexico that would coordinate with Arizona and New Mexico (District 1 and 2).	Existing	Maint and Constr Management Center
Mexico Governmental Agencies	Mexico Regional TMC	The state of Sonora has a TMC and the ability to enter data into their database for road closures, incidents and accidents in Mexico. This element represents the regional traffic management center located in bordering cities of Mexico that would coordinate traffic information or operations with Arizona and New Mexico.	Existing	Traffic Management Center
National Oceanic Atmospheric Administration (NOAA)	National Weather Service	The National Oceanic and Atmospheric Administration (NOAA) is a federal agency focused on the condition of the oceans and the atmosphere. It plays several roles in local weather information.	Existing	Weather Service System
Pima Association of Governments (PAG)	PAG Data User Systems	NAU 'Data User Systems' represents the systems users employ to access archived data. The general interface provided allows a broad range of users (e.g. planners, researchers, analysts, operators) and their systems (e.g. databases, models, analytical tools, user interface devices) to acquire data and analyses results from the archive.	Existing	Archived Data User System
Pima Association of Governments (PAG)	PAG Planning Traffic Database	The traffic database for the MPOs and regional planning organizations throughout the State of Arizona. Collects traffic count information from its own field equipment and distributes traffic count information to public.	Existing	Archived Data System
Pima Association of Governments (PAG)	PAG RTDN Communications System	Pima Association of Governments (PAG's) Regional Transportation Data Network (RTDN) fiber for communications.	Existing	Data Distribution System
Private Commercial Carriers	Commercial Vehicles	Public or private trucks that cross international or state borders and drive throughout the State of Arizona.	Existing	Commercial Vehicle OBE
Private Commercial Carriers	Driver Identification Card	Driver Identification cards represent the card or device that enables the transfer of electronic identification information for a driver. this may include license information, biometrics, and other data to identify the driver. Typically the card will be issued by a government agency (motor vehicle agency).	Planned	Driver Identification Card
Private Commercial Carriers	Fleet Management Systems	Dispatch function for Commercial Vehicle Fleets.	Existing	Fleet and Freight Management Center
Private Commercial Carriers	Freight Containers	Freight containers owned by private companies and being transported across interstates.	Existing	Freight Equipment

Stakeholder	Element Name	Element Description	Element Status	Associated Physical Objects
Private Container System Owners	Freight Containers	Freight containers owned by private companies and being transported across interstates.	Existing	Freight Equipment
Private Container System Owners	Freight Shipping System	System tracking and scheduling the movement of freight from its destination - data primarily provided by the supplier or owner of commodities shipped. Includes status of bookings made and the status of the freight's movement.	Existing	Intermodal Customer System
Private Information Service Providers	Private Transit Routing Service Provider	Third party routing service, such as Google Transit, that uses transit route and schedule information to provide personalized transit trip planning.	Existing	Personal Information Device
Private Information Service Providers	Private Transit Routing Service Provider	Third party routing service, such as Google Transit, that uses transit route and schedule information to provide personalized transit trip planning.	Existing	Traveler Support Equipment
Private Information Service Providers	Public Private Traveler Information	Local, regional, and national information service providers (Navigator, SmartRoutes, Metro Traffic) that provide travel information to the traveling public (both subscription service and general broadcast information). Includes internet sites, hand held devices (phones) with access to traffic conditions, service bureaus.	Existing	Data Distribution System
Private Information Service Providers	Public Private Traveler Information	Local, regional, and national information service providers (Navigator, SmartRoutes, Metro Traffic) that provide travel information to the traveling public (both subscription service and general broadcast information). Includes internet sites, hand held devices (phones) with access to traffic conditions, service bureaus.	Existing	Transportation Information Center
Private Information Service Providers	Social Media and Networking	Subscription based services operated by private providers that provide an option for real-time traveler information dissemination examples of services that include Waze, FaceBook and Twitter.	Existing	Social Media
Public and Private Transit Providers	Local Dial-A-Ride Transit Dispatchers	Dispatch center for the paratransit services provided by local jurisdictions for citizens who are ADA-certified, persons with disabilities, and seniors throughout the state of Arizona where services are provided.	Existing	Transit Management Center
Public and Private Transit Providers	Local Dial-A-Ride Transit Vehicles	Represents the ITS equipment installed on the transit vehicles that are owned and operated by local dial-a-ride services. Capabilities may include Automated Vehicle Location (AVL) or, it may not.	Existing	Basic Transit Vehicle
Public and Private Transit Providers	Local Dial-A-Ride Transit Vehicles	Represents the ITS equipment installed on the transit vehicles that are owned and operated by local dial-a-ride services. Capabilities may include Automated Vehicle Location (AVL) or, it may not.	Existing	Transit Vehicle OBE
Public and Private Transit Providers	Mountain Lift Paratransit	The Mountain Lift paratransit service provides dial-a-ride services for ADA eligible passengers.	Existing	Transit Management Center

Stakeholder	Element Name	Element Description	Element Status	Associated Physical Objects
Public and Private Transit Providers	Mountain Lift Paratransit Vehicles	Paratransit vehicles for Mountain Lift in the Flagstaff region.	Existing	Basic Transit Vehicle
Public and Private Transit Providers	Mountain Lift Paratransit Vehicles	Paratransit vehicles for Mountain Lift in the Flagstaff region.	Existing	Transit Vehicle OBE
Public and Private Transit Providers	Mountain Line Bus Arrival System	Mountain Line Transit in Flagstaff has the ability to post arrival times and bus locations on their website. This element represents the ability to provide that information to remote travelers.	Planned	Traveler Support Equipment
Public and Private Transit Providers	Mountain Line Transit Buses	Transit buses for Mountain Line and Mountain Link Transit, Flagstaff area. The Mountain Link also serves Northern Arizona University (NAU). These buses either have or are in the process of receiving Next Bus notification capabilities.	Existing	Basic Transit Vehicle
Public and Private Transit Providers	Mountain Line Transit Buses	Transit buses for Mountain Line and Mountain Link Transit, Flagstaff area. The Mountain Link also serves Northern Arizona University (NAU). These buses either have or are in the process of receiving Next Bus notification capabilities.	Existing	Transit Vehicle OBE
Public and Private Transit Providers	Mountain Line Website and FLGRide	Website for Flagstaff Mountain Line Transit. NAIPTA also has an app that provides transit information and texting capabilities called FLGRide.	Existing	Transportation Information Center
Public and Private Transit Providers	NAIPTA ITS Field Equipment	NAIPTA owned and operated field equipment: DMS, transit detection, CCTV, transit preemption.	Existing	ITS Roadway Equipment
Public and Private Transit Providers	NAIPTA Transit Data Archive	Northern Arizona Intergovernmental Public Transportation. The transit database for public transportation planning organizations throughout the northern State of Arizona. Collects transit information and distributes.	Existing	Archived Data System
Public and Private Transit Providers	NAIPTA Transit Management Center	NAIPTA Transit Management Center operates all of the Mountain Line, Mountain Link Transit and Mountain Lift services, they provide fixed and paratransit services to the Flagstaff area, Coconino county and to the Arizona Northern University NAU. The transit authority boundaries are consistent with the FMPO boundaries.	Existing	Archived Data User System
Public and Private Transit Providers	NAIPTA Transit Management Center	NAIPTA Transit Management Center operates all of the Mountain Line, Mountain Link Transit and Mountain Lift services, they provide fixed and paratransit services to the Flagstaff area, Coconino county and to the Arizona Northern University NAU. The transit authority boundaries are consistent with the FMPO boundaries.	Existing	Transit Management Center
Public and Private Transit Providers	Transit Provider Vehicles	Public, private and commuter transit buses	Existing	Basic Transit Vehicle

Stakeholder	Element Name	Element Description	Element Status	Associated Physical Objects
Public and Private Transit Providers	Transit Provider Vehicles	Public, private and commuter transit buses	Existing	Transit Vehicle OBE
Public and Private Transit Providers	Transit Providers - Public and Private	This transit provider represents public, private and commuter transit services throughout the state of Arizona. Could also represent Greyhound buses.	Existing	Archived Data User System
Public and Private Transit Providers	Transit Providers - Public and Private	This transit provider represents public, private and commuter transit services throughout the state of Arizona. Could also represent Greyhound buses.	Existing	Transit Management Center
Public and Private Transit Providers	YCAT Buses	Buses and Dial-a-Ride Services for YCAT. YCAT shares information with Police, Fire and Yuma County EOC. Planned for the buses is AVL. Right now, only two of the buses will have AVL - for next bus arrival services.	Existing	Basic Transit Vehicle
Public and Private Transit Providers	YCAT Buses	Buses and Dial-a-Ride Services for YCAT. YCAT shares information with Police, Fire and Yuma County EOC. Planned for the buses is AVL. Right now, only two of the buses will have AVL - for next bus arrival services.	Existing	Transit Vehicle OBE
Public and Private Transit Providers	YCAT Kiosks	Next Bus Arrival for YCAT and travel information Kiosks - Next Bus Arrival is planned for use at Yuma Palms and Arizona Western College (AWC). Travel information kiosks are available at all bus stops but they are static.	Planned	Traveler Support Equipment
Public and Private Transit Providers	YCAT Transit Passes	YCAT has smartcards for pass purchases online.	Existing	Payment Device
Public and Private Transit Providers	YCAT Transit Passes	YCAT has smartcards for pass purchases online.	Existing	Traveler Card
Public and Private Transit Providers	YCAT Transit Passes	YCAT has smartcards for pass purchases online.	Existing	Traveler Support Equipment
Public and Private Transit Providers	YCAT Website	YCAT posts transit information, Google transit trip planning and fare purchasing on-line through their webpage.	Existing	Transportation Information Center

Stakeholder	Element Name	Element Description	Element Status	Associated Physical Objects
Public and Private Transit Providers	Yuma County Area Transit (YCAT)	The Yuma County Intergovernmental Public Transportation Authority (YCIPTA) provides 17+ buses. Yuma County Area Transit (YCAT) fixed route and Greater Yuma Area Dial-A-Ride demand responsive bus service throughout southwestern Yuma County including the cities of Yuma, San Luis, Somerton, Town of Wellton, Cocopah Indian Reservation and unincorporated communities of Yuma County, including Gadsden, Fortuna Foothills and Ligurta. YCAT also provides service into Winterhaven, CA and on the Quechan/Fort Yuma Indian Reservation. YCAT provides transit services - Monday through Friday 5:50 a.m. and 7:30 p.m. with limited evening service from Arizona Western College and Northern Arizona University and on Saturday between 9:30 a.m. and 6:30 p.m. YCAT shares information with Police, Fire and Yuma County EOC.	Existing	Archived Data User System
Public and Private Transit Providers	Yuma County Area Transit (YCAT)	The Yuma County Intergovernmental Public Transportation Authority (YCIPTA) provides 17+ buses. Yuma County Area Transit (YCAT) fixed route and Greater Yuma Area Dial-A-Ride demand responsive bus service throughout southwestern Yuma County including the cities of Yuma, San Luis, Somerton, Town of Wellton, Cocopah Indian Reservation and unincorporated communities of Yuma County, including Gadsden, Fortuna Foothills and Ligurta. YCAT also provides service into Winterhaven, CA and on the Quechan/Fort Yuma Indian Reservation. YCAT provides transit services - Monday through Friday 5:50 a.m. and 7:30 p.m. with limited evening service from Arizona Western College and Northern Arizona University and on Saturday between 9:30 a.m. and 6:30 p.m. YCAT shares information with Police, Fire and Yuma County EOC.	Existing	Other Emergency Management Centers
Public and Private Transit Providers	Yuma County Area Transit (YCAT)	The Yuma County Intergovernmental Public Transportation Authority (YCIPTA) provides 17+ buses. Yuma County Area Transit (YCAT) fixed route and Greater Yuma Area Dial-A-Ride demand responsive bus service throughout southwestern Yuma County including the cities of Yuma, San Luis, Somerton, Town of Wellton, Cocopah Indian Reservation and unincorporated communities of Yuma County, including Gadsden, Fortuna Foothills and Ligurta. YCAT also provides service into Winterhaven, CA and on the Quechan/Fort Yuma Indian Reservation. YCAT provides transit services - Monday through Friday 5:50 a.m. and 7:30 p.m. with limited evening service from Arizona Western College and Northern Arizona University and on Saturday between 9:30 a.m. and 6:30 p.m. YCAT shares information with Police, Fire and Yuma County EOC.	Existing	Transit Management Center
Rail Organizations	Rail Grade Wayside Warning Systems	No track in the State of Arizona is capable of supporting high-speed trains. The owner of all RR tracks in the state of Arizona is Union or Southern Pacific Railroad (UPRR or SPRR). While both passive and active warning systems are used, active warning systems dominate.	Existing	ITS Roadway Equipment
Rail Organizations	Rail Grade Wayside Warning Systems	No track in the State of Arizona is capable of supporting high-speed trains. The owner of all RR tracks in the state of Arizona is Union or Southern Pacific Railroad (UPRR or SPRR). While both passive and active warning systems are used, active warning systems dominate.	Existing	Wayside Equipment
State of California	CalTrans TMC	Caltrans Traffic Management Center at the borders of the state of California.	Existing	Other Traffic Management Centers
State of California	CHP Dispatch	The dispatch functions for the California State Highway Patrol - law enforcement.	Existing	Emergency Management Center
State of Nevada	NDOT ITS Field Equipment	There are DMS operated by NDOT that border Arizona and are activated when wind speed threshold is reached on US 93 on the Nevada side of the highway.	Existing	ITS Roadway Equipment
State of Nevada	NDOT TOC - FAST TMC	NDOT's southern Nevada TMC is called FAST and is located in Las Vegas. FAST is operated by the southern Nevada RTC MPO. There are DMS operated by NDOT that border Arizona and are activated when wind speed threshold is reached on US 93 on the Nevada side of the highway.	Existing	Other Traffic Management Centers
State of Nevada	Nevada State Police Dispatch	The dispatch functions for the Nevada State Highway Patrol.	Existing	Emergency Management Center

Stakeholder	Element Name	Element Description	Element Status	Associated Physical Objects
State of New Mexico	New Mexico State Police Dispatch	The dispatch functions for the New Mexico State Police.	Existing	Emergency Management Center
State of New Mexico	New Mexico Statewide TMC	The New Mexico Statewide ITS Architecture connects County Traffic Operations Center, NMDOT Districts 1, 5 and 6 as well as the Statewide TMC to ADOT Statewide TMC.	Existing	Other Traffic Management Centers
State of Utah	Utah State Police Dispatch	The dispatch function for the Utah State Police	Existing	Emergency Management Center
State of Utah	Utah Statewide TMC	The Utah ITS Architecture connects the statewide TMC in Utah to ADOT Statewide TOC.	Existing	Other Traffic Management Centers
Time and Data Sources	Vehicle GPS and Time Data	The 'Vehicle Location and Time Data Source' provides accurate position information for vehicle-based mobile devices. While a Global Positioning System (GPS) Receiver is the most common implementation, this physical object represents any technology that provides a position fix in three dimensions and time with sufficient accuracy. This data can be used for location through a vehicle OBE (ie for time stamping and performance monitoring).	Existing	Vehicle Location and Time Data Source
Travelers	Basic Private Vehicle	Basic vehicle owned by travelers	Existing	Basic Vehicle
Travelers	Driver Identification Card	Driver Identification cards represent the card or device that enables the transfer of electronic identification information for a driver. this may include license information, biometrics, and other data to identify the driver. Typically the card will be issued by a government agency (motor vehicle agency).	Planned	Driver Identification Card
Travelers	Personal Information Devices for Travelers	Local, regional and national information service providers, such as Navigator, SmartRoutes, or Metro Traffic that provide travel information to the traveling public (both subscription service and general broadcast information). Includes internet sites, hand held devices (phones) with access to traffic conditions, service bureaus, etc.	Existing	Personal Information Device
Travelers	Private Vehicle OBE	Vehicles owned by travelers	Existing	Vehicle OBE
Travelers	Travelers	Travelers represent the public at large.	Existing	Traveler
Tribal Governments - Statewide	Tribal Data Archive	Represents the archives of data (e.g. crash records or traffic counts) performed and/or collected by tribal governments.	Existing	Archived Data System
Tribal Governments - Statewide	Tribal Data User Systems	Tribal Data User Systems' represents the systems users employ to access archived data. The general interface provided allows a broad range of users (e.g. planners, researchers, analysts, operators) and their systems (e.g. databases, models, analytical tools, user interface devices) to acquire data and analyses results from the archive.	Existing	Archived Data User System
Tribal Governments - Statewide	Tribal Fiber for Communications	Existing and planned fiber communications network for various tribal fiber communications.	Existing	Data Distribution System
Tribal Governments - Statewide	Tribal ITS Field Equipment	Tribal field equipment (signals, etc.)	Existing	ITS Roadway Equipment

Stakeholder	Element Name	Element Description	Element Status	Associated Physical Objects
Tribal Governments - Statewide	Tribal MCO Dispatch	The regional maintenance and construction (MCO) dispatch function for BIA. This agency is responsible for all roads (maintenance and construction, plowing, etc.) on all tribal land.	Existing	Maint and Constr Management Center
Tribal Governments - Statewide	Tribal MCO Vehicles	Tribal maintenance and construction vehicles and plows.	Existing	Basic Maint and Constr Vehicle
Tribal Governments - Statewide	Tribal MCO Vehicles	Tribal maintenance and construction vehicles and plows.	Existing	Maint and Constr Vehicle OBE
Tribal Governments - Statewide	Tribal Police and Fire Vehicles	Public safety vehicles (police, fire and EMS) owned and operated by the BIA that responds to incidents on the smaller pueblos throughout the State. This handles mostly on a tribal level (not a lot of BIA involvement).	Existing	Emergency Vehicle OBE
Tribal Governments - Statewide	Tribal Public Safety Dispatch	The Bureau of Indian Affairs public safety (police, fire and EMS) dispatches. This handles mostly at a tribal level with little or no BIA involvement.	Existing	Emergency Management Center
Tribal Governments - Statewide	Tribal TMC-TOC-TIC	This element represents traffic management and transportation information from the Tribal Governments throughout the state. Much like the County, City, and Municipalities, these elements represent functions related to managing the ITS equipment and communicating to others. As each of the Tribals grow in ITS projects or specific communications we will call them out separately as needed in the Statewide Architecture database.	Planned	Traffic Management Center
Tribal Governments - Statewide	Tribal TMC-TOC-TIC	This element represents traffic management and transportation information from the Tribal Governments throughout the state. Much like the County, City, and Municipalities, these elements represent functions related to managing the ITS equipment and communicating to others. As each of the Tribals grow in ITS projects or specific communications we will call them out separately as needed in the Statewide Architecture database.	Planned	Transportation Information Center
Tribal Governments - Statewide	Tribal Transit Centers	Several of the tribes throughout the state have transit or commuter services provided. This represents those transit management centers.	Existing	Transit Management Center
Tribal Governments - Statewide	Tribal Transit Vehicles	Tribal Transit Vehicles - bus services provided through the tribes.	Existing	Basic Transit Vehicle
Tribal Governments - Statewide	Tribal Transit Vehicles	Tribal Transit Vehicles - bus services provided through the tribes.	Existing	Transit Vehicle OBE
US Customs and Border Protection (CBP)	CBP Website	This element represents the Customs Border Protection (CBP) website. It provides wait times for vehicles when crossing the international border into the US.	Existing	Transportation Information Center

Stakeholder	Element Name	Element Description	Element Status	Associated Physical Objects
US Customs and Border Protection (CBP)	POE Administration Center	(POE) Point of Entry is a 'Border Inspection Administration Center' that represents back-office systems and databases run by domestic and foreign governmental agencies responsible for the regulation of trade, and the enforcement of customs and immigration laws. These agencies include U.S. Department of Homeland Security (DHS) and its counterparts in Canada and Mexico. DHS includes components like Customs and Border Protection (CBP), Immigration and Customs Enforcement (ICE), and Transportation Security Administration (TSA). Other agencies include secondary trade agencies (e.g., U.S. Food and Drug Administration, U.S. Department of Agriculture, other USDOT departments, etc.), and agencies from other trading nations. The systems they manage coordinate activities related to the border crossings. These systems support import/export cargo processing and enforcement operations at the border, including programs such as FAST, Automated Commercial Environment (ACE), Nexus (Canada), SENTRI (Mexico), and US-VISIT.	Existing	Border Inspection Administration Center
US Customs and Border Protection (CBP)	POE Data Archive	POE DATA ARchive is the archive data for wait times and other data at the Port of Entry (POE), border protection agency. The 'Archived Data System' collects, archives, manages, and distributes data generated from ITS sources for use in transportation administration, policy evaluation, safety, planning, performance monitoring, program assessment, operations, and research applications. The data received is formatted and tagged with attributes that define the data source, conditions under which it was collected, data transformations, and other information (i.e. meta data) necessary to interpret the data. The archive can fuse ITS generated data with data from non-ITS sources and other archives to generate information products utilizing data from multiple functional areas, modes, and jurisdictions. The archive prepares data products that can serve as inputs to federal, state, and local data reporting systems.	Existing	Archived Data System
US Customs and Border Protection (CBP)	POE Data User and ISP Systems	POE 'Data User and ISP Systems' represents the systems users employ to access archived data. The general interface provided allows a broad range of users (e.g. planners, researchers, analysts, operators) and their systems (e.g. databases, models, analytical tools, user interface devices) to acquire data and analyses results from the archive. This physical object does not have any functionality defined in ARC-IT, as it exists outside the system functional boundary	Existing	Archived Data User System
US Customs and Border Protection (CBP)	POE Data User and ISP Systems	POE 'Data User and ISP Systems' represents the systems users employ to access archived data. The general interface provided allows a broad range of users (e.g. planners, researchers, analysts, operators) and their systems (e.g. databases, models, analytical tools, user interface devices) to acquire data and analyses results from the archive. This physical object does not have any functionality defined in ARC-IT, as it exists outside the system functional boundary	Existing	CVO Information Requestor Center
US Customs and Border Protection (CBP)	POE Data User and ISP Systems	POE 'Data User and ISP Systems' represents the systems users employ to access archived data. The general interface provided allows a broad range of users (e.g. planners, researchers, analysts, operators) and their systems (e.g. databases, models, analytical tools, user interface devices) to acquire data and analyses results from the archive. This physical object does not have any functionality defined in ARC-IT, as it exists outside the system functional boundary	Existing	Other Transportation Information Centers

Stakeholder	Element Name	Element Description	Element Status	Associated Physical Objects
US Customs and Border Protection (CBP)	POE Roadway Inspection Systems	(POE) Port of entry Inspection systems and equipment represents data systems used at the border for the inspection of people or goods. It supports immigration, customs (trade), agricultural, and FDA inspections as applicable. It includes sensors and surveillance systems to identify and classify drivers and their cargo as they approach a border crossing, the systems used to interface with the back-office administration systems and provide information on status of the crossing or events. This element includes systems that support programs such as FAST, ACE, and Nexus. The Automated Commercial Environment (ACE) which is the commercial trade processing system for US Customs and Border Protection, supporting import/export cargo processing and enforcement operations at the border. Equipment might include electronic tag readers, identity card readers, or computer systems holding data on vehicles or travelers.	Existing	Border Inspection System
US Customs and Border Protection (CBP)	POE Roadway Inspection Systems	(POE) Port of entry Inspection systems and equipment represents data systems used at the border for the inspection of people or goods. It supports immigration, customs (trade), agricultural, and FDA inspections as applicable. It includes sensors and surveillance systems to identify and classify drivers and their cargo as they approach a border crossing, the systems used to interface with the back-office administration systems and provide information on status of the crossing or events. This element includes systems that support programs such as FAST, ACE, and Nexus. The Automated Commercial Environment (ACE) which is the commercial trade processing system for US Customs and Border Protection, supporting import/export cargo processing and enforcement operations at the border. Equipment might include electronic tag readers, identity card readers, or computer systems holding data on vehicles or travelers.	Existing	Transportation Information Center
US Customs and Border Protection (CBP)	US Border Patrol Dispatch	This element represents the emergency dispatch of border patrol vehicles at the US and Arizona borders. Basically, this is the law enforcement dispatching center.	Existing	Emergency Management Center
US Customs and Border Protection (CBP)	US Border Patrol Dispatch	This element represents the emergency dispatch of border patrol vehicles at the US and Arizona borders. Basically, this is the law enforcement dispatching center.	Existing	Enforcement Center
US Customs and Border Protection (CBP)	US Border Patrol Vehicles	US Border Patrol law enforcement vehicles.	Existing	Emergency Vehicle OBE
US Immigration and Customs Enforcement (ICE)	US VISIT System	US-VISIT is a U.S. Department of Homeland Security program to verify the identity of incoming visitors and confirm compliance with visa and immigration policies. Allows CBP officers to match the incoming visitor's biometric identity with the biometric information stored on their Visa. This element represents the database systems that hold, and can share, the traveler information.	Existing	Border Inspection System